


Item no.	99909691		Connector type	90-IECF-56 5.1 SELF INSTALL	
			For cable	Ören HD 103+	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ohm				
Amp. Rating (measured)	7.0 A @10°C increase				
(calculated)	9.8 A @20°C increase				
Transfer Impedance (CoMeT)	Class A+				
	<2.50 mΩ/m @ 5-30MHz				
	<0.13 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A+				
	>95 dB @ 30-1000MHz				
	>85 dB @ 1000-2000MHz				
	>75 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-32 dB	-35.3 dB	0.3 - 500 MHz	-0.08 dB	-0.03 dB
500 - 860 MHz	-31 dB	-33.8 dB	500 - 860 MHz	-0.10 dB	-0.05 dB
860 - 1000 MHz	-31 dB	-33.8 dB	860 - 1000 MHz	-0.11 dB	-0.06 dB
1000 - 1750 MHz	-31 dB	-33.8 dB	1000 - 1750 MHz	-0.13 dB	-0.08 dB
1750 - 2150 MHz	-31 dB	-33.8 dB	1750 - 2150 MHz	-0.15 dB	-0.10 dB
2150 - 3000 MHz	-31 dB	-33.8 dB	2150 - 3000 MHz	-0.21 dB	-0.16 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+27dBm)	-120 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(@ 1 A DC)	
Storing	-40° to +70° C			<9.0 mΩ	
Sealing Test			Insulation Resistance		
(IEC IP-code)	-		(@ 500 VDC)	>200 GΩ	
O-rings	-		Dielectric Strength		
			DC Test Voltage	>2.0 KV	
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3 / POM		Overall	>30 Kgf	
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper			>294 N	
Plating			Torsional Strength		
Body Parts	Nitin-6		(Connector / Cable)	* NATM	
Inner Conductor	Nitin-6		Test performed by	Susanne Lindharth	
Insulators	POM		Date of release	September 19, 2016	

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.